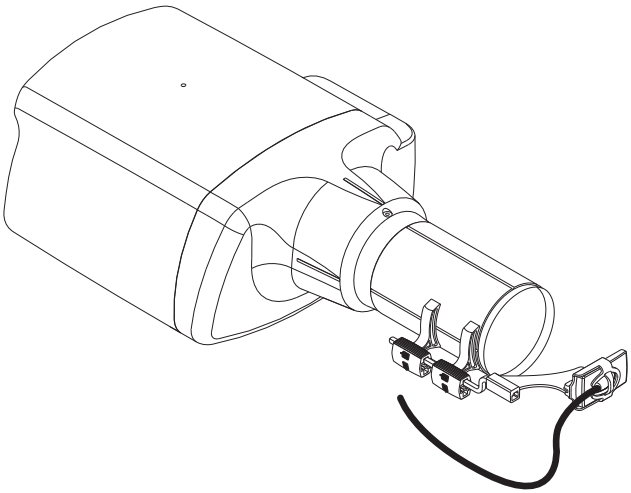
PLANMECA

Planmeca Sensor Holder



USER'S MANUAL

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1 INTRODUCTION

This manual describes how to use the Planmeca sensor holders. The sensor holders provide an easy way to position the sensor for different anatomical and diagnostic needs. Please read these instructions thoroughly before using the sensors.

NOTE: PATENT PENDING.

NOTE: PLANMECA SENSOR HOLDER IS ONLY COMPATIBLE WITH PLANMECA SENSOR.

The manufacturer, assembler, and importer are responsible for the safety, reliability and performance of the unit only if:

- installation, calibration, modification and repairs are carried out by qualified authorized personnel
- electrical installations are carried out according to the appropriate requirements such as IEC364
- equipment is used according to the operating instructions.

Planmeca pursues a policy of continual product development. Although every effort is made to produce up-to-date product documentation this publication should not be regarded as an infallible guide to current specifications. We reserve the right to make changes without prior notice.

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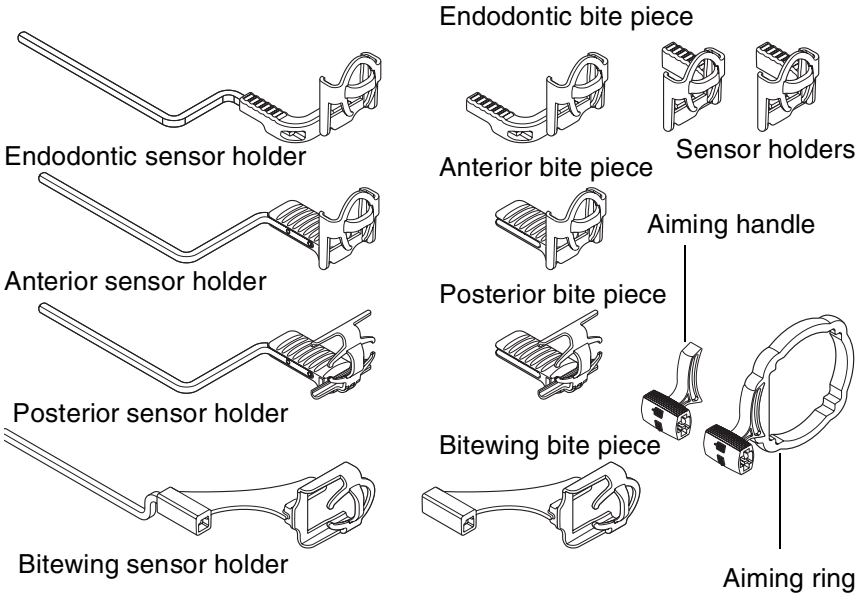
2 SENSOR HOLDER KIT

Below is listed the contents of the Sensor holder kit according to the sensor type (B1 or B2).

PART	PCS	ORDER CODE
SENSOR HOLDER KIT B1	1	10009880
SENSOR HOLDER KIT B2	1	10009881

Both kits contain following parts:



A sample set of sensor holder cover sheaths (10008601) is included in the sensor holder kit.

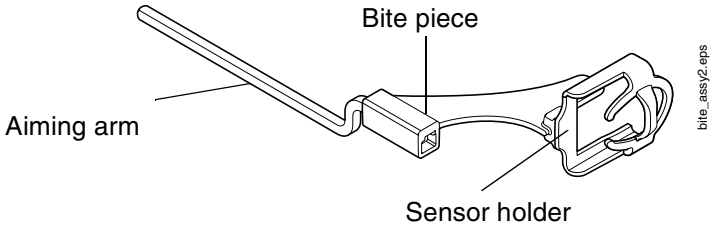
Contact your Planmeca dealer for further information.

3 ASSEMBLING

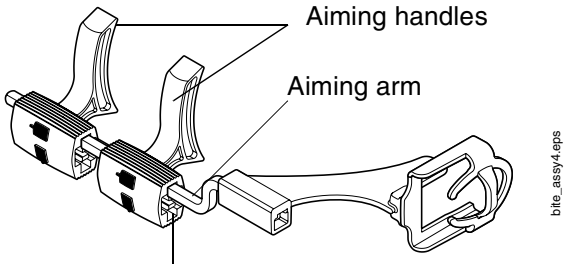
3.1 Bitewing sensor holder

The same bitewing sensor holder can be used for left- and right-hand side.

Insert the removable aiming arm to the bite piece.



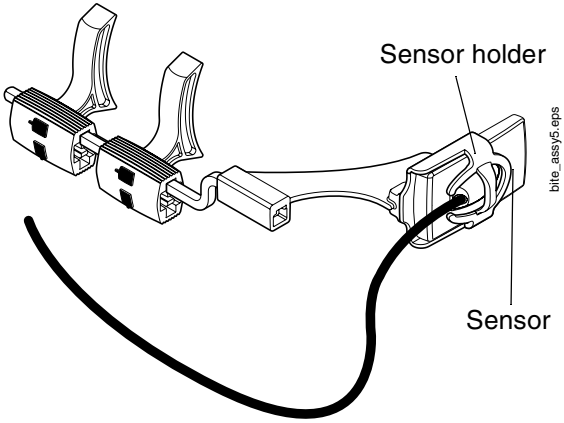
Attach the aiming handles to the aiming arm.



NOTE: Opening marked with horizontal sensor symbol

Can also be used with 1 aiming handle or with an aiming ring.

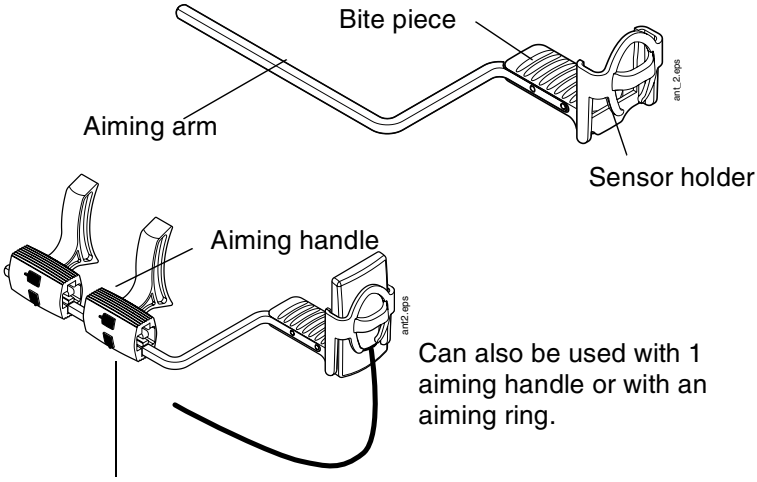
Attach the sensor to the sensor holder.



3.2 Anterior sensor holder

The aiming arm for both the anterior and the posterior bite piece is the same. Use the vertical sensor holder for the anterior images.

See chapter 3.1 “Bitewing sensor holder“ on page 3 for more detailed information on how to attach the parts together.

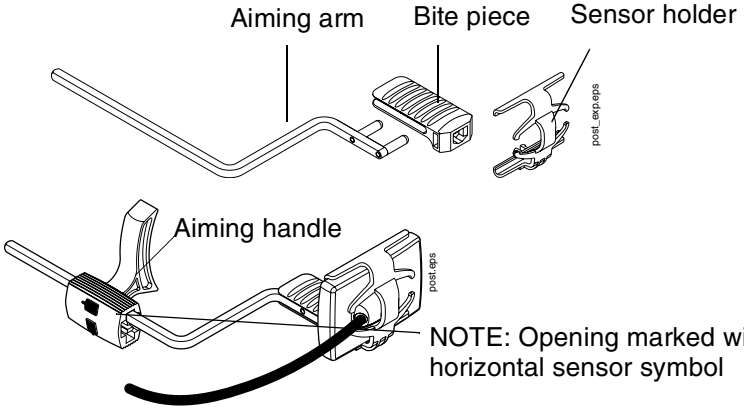


NOTE: Opening marked with vertical sensor symbol

3.3 Posterior sensor holder

The aiming arm for both the anterior and the posterior bite piece is the same. Use the horizontal sensor holder for the posterior images.

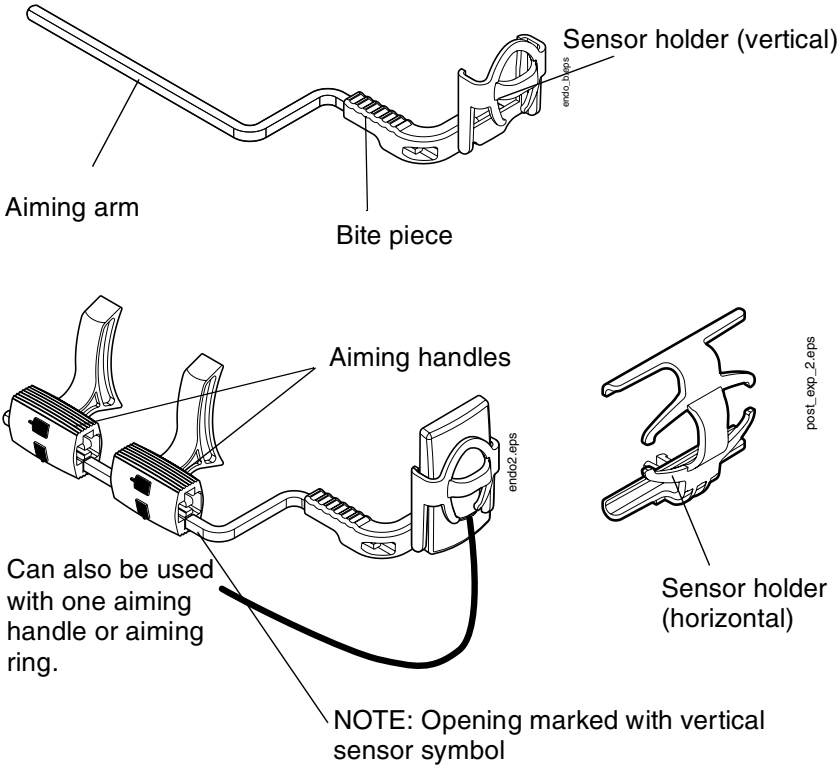
See chapter 3.1 “Bitewing sensor holder“ on page 3 for more detailed information on how to attach the parts together.



3.4 Endodontic sensor holder

You can attach both horizontal and vertical sensor holders to the endodontic bite block.

See chapter 3.1 “Bitewing sensor holder“ on page 3 for more detailed information on how to attach the parts together.



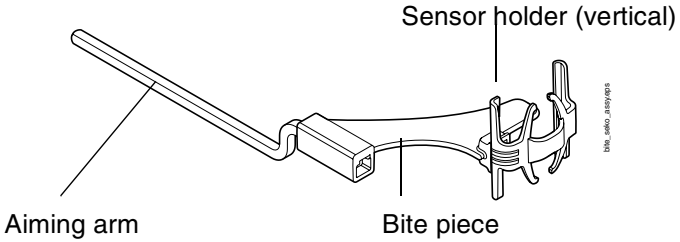
4 OTHER ASSEMBLING OPTIONS

The Planmeca sensor holders allow optional assembling of the sensor holder set.

See chapter 7.1 “Assembling the bite piece“ on page 19 for more detailed information on how to attach the parts together.

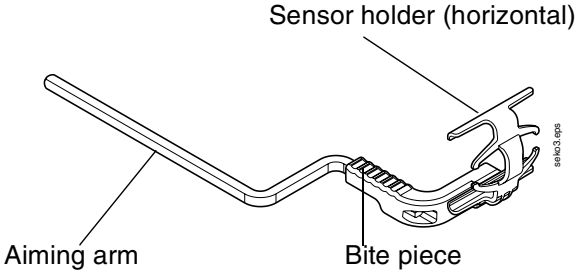
4.1 Vertical bitewing

A vertical sensor holder can be attached to the bitewing bite block, see image below.



4.2 Horizontal endodontic

A horizontal sensor holder can be attached to the endodontic bite block, see image below.



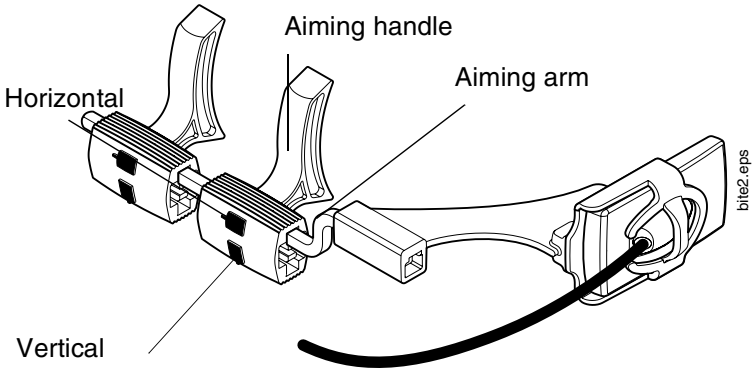
5 USING PLANMECA SENSOR HOLDERS

After attaching the bite assembly to the Planmeca sensor holder you are able to perform an exposure according to the instructions below. Refer to Planmeca intraoral X-ray unit's user's manual, e.g. Planmeca Intra for more information.

The following pictures show how to use the sensor holder with bitewing bite piece assembly. However, the instructions are also valid for periapical and endodontic bite piece assemblies.

1. Select first the target area and projection
2. Select the bite piece according to the target for the exposure:
   - bitewing
   - posterior-periapical
   - anterior-periapical
   - endodontic
3. Insert the arm to the aiming handles.

Remember to attach the arm to the right opening on the aiming handle. If the sensor is on horizontal direction use the horizontal opening for the arm to ensure the correct sensor positioning. If you use the vertical direction the arm goes to the vertical opening.

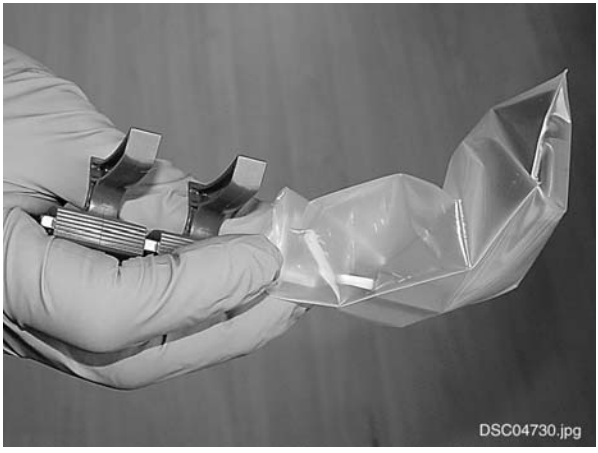


4. Attach the sensor to the sensor holder. Support both the sensor and the sensor holder with your fingers when attaching the sensor.

Protect the sensor with a sensor sheath before or after attaching the sensor to the bite piece. There are two possible procedures to protect the sensor:

- loose fitted cover sheath (default) (code 10007916) - attach the sensor to the sensor holder assembly and protect the assembly with the sheath.

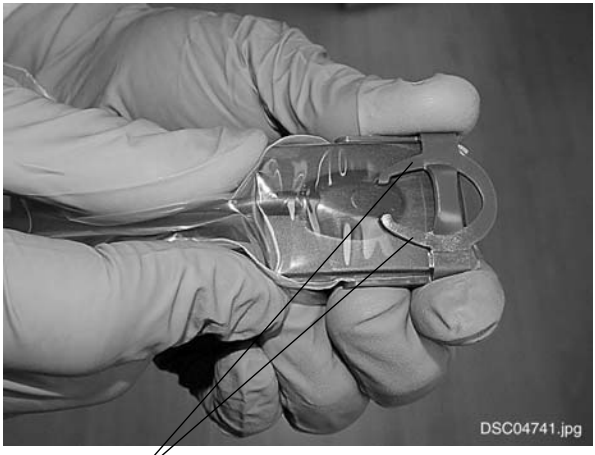
Protect the whole sensor holder assembly with the loose-fitted cover sheath



- tight-fitted cover sheath (size B1 10006636 or size B2 10006635). The sensor is first protected with the sheath and carefully attached to the sensor holder without the sensor holder support damaging the cover sheath.

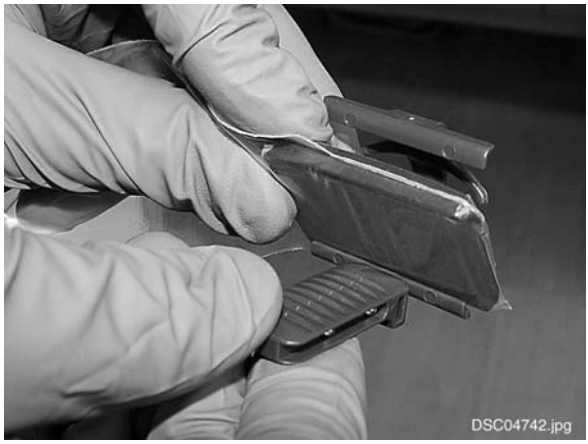
Protect the sensor with tight-fitted cover sheath.

Make sure the cover sheath sits tight on the sensor holder. Insert the sensor carefully to the sensor holder. Make also sure that the sensor holder support does not punch the cover sheath.

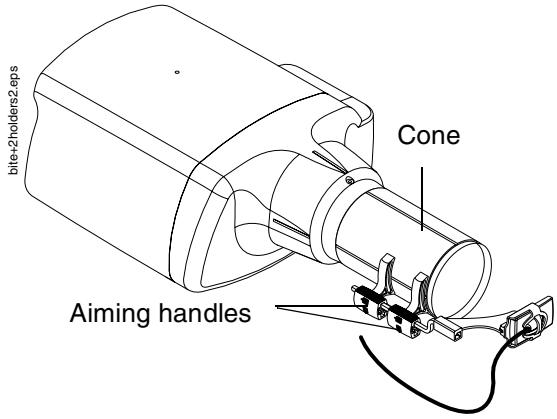


Sensor holder support

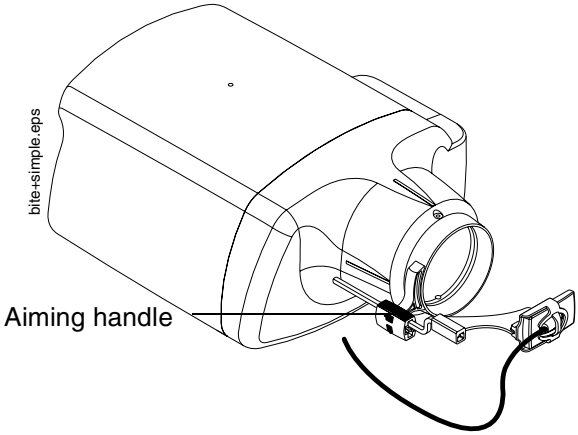
You can also attach the sensor to the vertical sensor holder by snapping it to the holder according to the two pictures below.



5. There are three different possibilites to use the Planmeca sensor holder in conjuction with the Planmeca Intra:
With the long cone and two aiming handles:

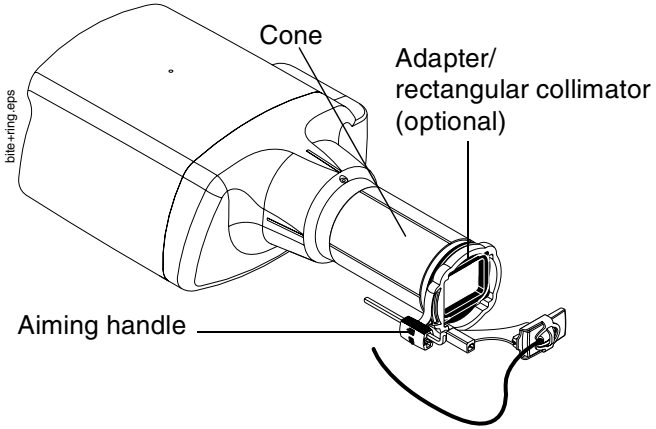


- Without the long cone and with one aiming handle:

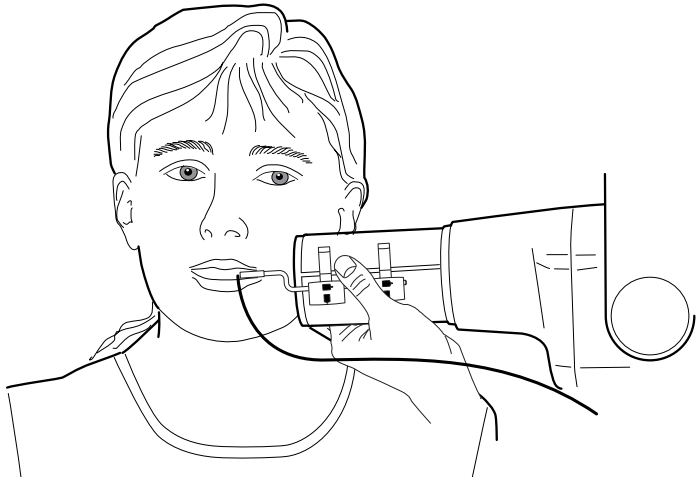


- With the long cone, one aiming handle and optional adapter (rectangular collimator, order code 6001021 for B2 sensor or 10009354 for B1 sensor):

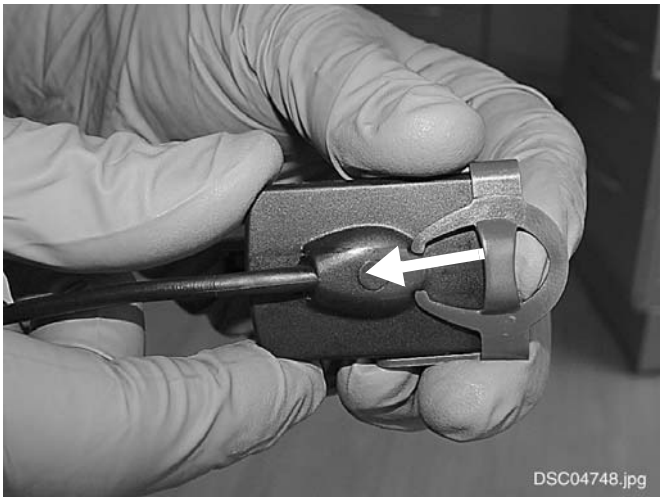
Attach the aiming ring to an adapter. The adapter enables an exposure without holding the sensor holder. The adapter is not included in the Planmeca sensor holder kit. Contact your Planmeca dealer for more information



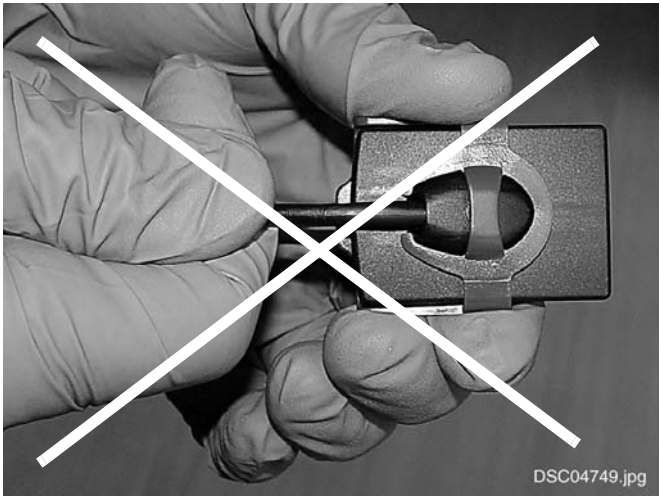
6. Place the sensor with holder to the patient's mouth. Adjust the target angle.



7. After the exposure remove the sensor from the patient's mouth. Remove also the sensor from the bite piece (see picture below).
   Hold the sensor with your thumb and middle finger. Press on top of the sensor to remove it from the sensor holder. Assist with your other hand to prevent the sensor falling.



NOTE Do not remove the sensor by pulling the sensor cable.



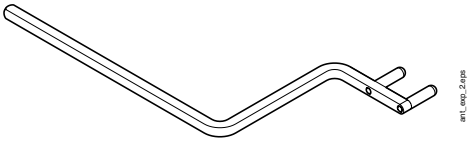
6 CLEANING THE SENSOR HOLDERS

The sensor holders can be autoclaved up to 134°C (273 F). The sensor holders stand up also to routine disinfection with Dürr System Hygiene FD 322 or FD 333 or with a similar product.

7 SPARE PART SETS

Anterior/posterior arm

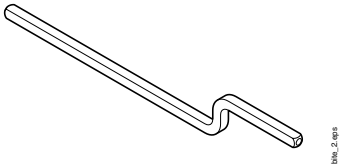
- 2 pieces (one anterior and one posterior), order code 10007891



Anterior-posterior arm

Bitewing arm

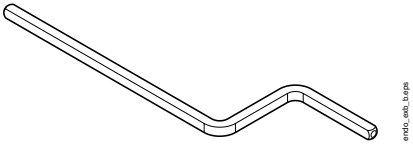
- 1 piece, order code 10007892



Bitewing arm

Endodontic arm

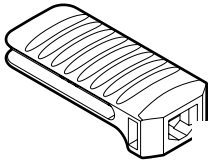
- 1 piece, order code 10007893



Endodontic arm

Periapical (anterior-posterior) bite piece set

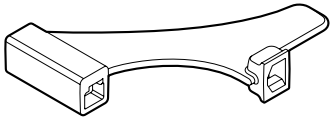
- 10 pieces, order code 10007906



Anterior-posterior bite piece

Bitewing bite piece set

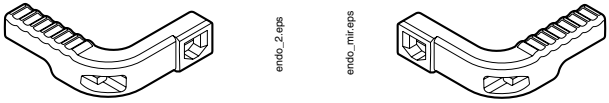
- 10 pieces, order code 10007907



Bitewing bite piece

Endodontic bite piece set

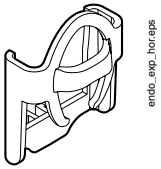
- 5+5 pieces, order code 10007908



Endodontic bite piece (right and left)

Vertical sensor holder set, size 1 and size 2

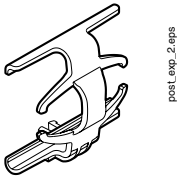
- 10 pieces, order code size 1: 10007909, size 2: 10007911



Vertical sensor holder

Horizontal sensor holder set, size 1 and size 2

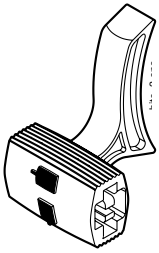
- 10 pieces, order code size 1: 10007910, size 2: 10007912



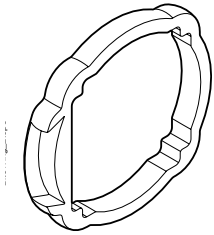
Horizontal sensor holder

Aiming set (aiming ring + 2 aiming handles)

- 1 piece, order code 10007913



Aiming handle



Aiming ring

Cover sheaths

- loose fit (300 pieces), order code 10007916

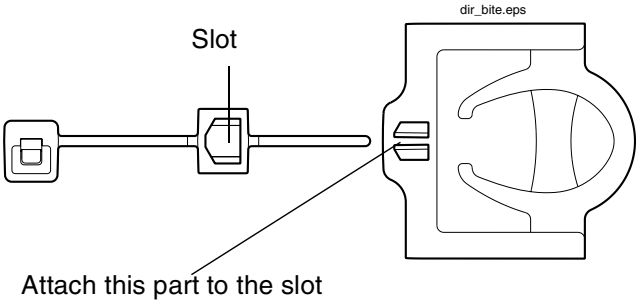
- tight fit size 1 (300 pieces), order code 10006636

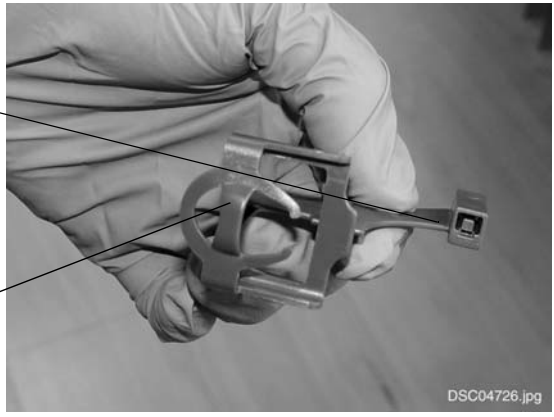
- tight fit size 2 (300 pieces), order code 10006635

7.1 Assembling the bite piece

The following is a description of how to assemble a bite piece assembly. Attach the sensor holder to the bite piece according to the following pictures. Press the parts together until you hear a click. You may need to press strongly to join the parts together.

NOTE Make sure that the sensor holder is attached correctly to the bite piece slot.





***NOTE** When the sensor holder is attached to the bite piece they are no longer detachable.*

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